Notice of Allowability    10/804.162   Examinar	Notice of Allowability	Application No.	No. Applicant(s)	
Notice of Allowability  Examinar  Jerry T. Rahl  2674  - The MALLING DATE of this communication appears on the cover sheet with the coverspondence address—All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included networking for proviously maked, a hotice of Allowance (PTOL-85) or other appropriate communication will be maked in due course. THIS MONTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  2. All The allowed claim(s) lafare 1-22  3. The drawings filed on 28 June 2002 are accepted by the Examiner.  4. All Considering objects of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Coefficied copies of the priority documents have been received in this national stage application from the international Sureau (PCT Rut et 1.2(a)).  4. Certified copies of the priority documents have been received in this national stage application from the international Sureau (PCT Rut et 1.2(a)).  5. Certified copies on received.  Applicant has THREE MONTHS FROM THE MAILING DATE of this communication to file a reply complying with the requirements notice below. Failure to timely comply will result in ABANDONMENT of this application.  7. A SUBSTITUTE CATH OR DECLARATION must be submitted.  (a) Indicating changes required by the voltice of Draftsperson's Patent Drawing Review ( PTO-948) altached 1) — Previous Province of Draftsperson's Patent Drawing Review ( PTO-948) altached Examiner's Comment or in the Office action of Faper No./Mail Date		10/604.162	COOKE ET AL.	
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All calams being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not include revervible for previously mailed, a hotoe of Allowance (PTOL-56) or other appropriate communication will be malled in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR. 1313 and MPEP 1308.  1. A This communication is responsive to application received 28 June 2003.  2. A The allowed claim(s) is/are 1-23.  3. The drawings filed on 28 June 2003 are accepted by the Examiner.  4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some* c) None of the  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  4. Certified copies not received:  4. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to fite a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  7. THIS THREE MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  (a) including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  1) hereto or 2) In Paper No. Mail Date  (b) Induding changes required by the Natice of Draftsperson's Patent Drawing Review ( PTO-948) attached Examiner's Comment sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the atta		Jerry T. Rahll	2874	
2.  \[ \text{The allowed claim(s) is/are \$1.23.} \] 3.  \[ \text{The drawings filed on \$28. June \$2003\$ are accepted by the Examiner.} \] 4.  \[ \text{Acknowledgment is made of a claim for foreign priority under \$35 U.S.C. \$ 119(a)-(d) or (f). a) \  \text{All b} \  \text{Discouling filed copies of the priority documents have been received.} \] 5.  \[ Certified copies of the priority documents have been received in Application No	All claims being allowable, PROSECUTION ON THE MERITS IS nerewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RID the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to and MPEP 1308.	plication. If not included will be mailed in due course. <b>THIS</b>	
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Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  7. □ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. □ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 8/1/04, 9/11/03 4. □ Examiner's Comment Regarding Requirement for Deposit of Biological Material  AKM ENAYET ULLAH PRIMARY EXAMINER	<ul> <li>(a) ☐ including changes required by the Notice of Draftspers</li> <li>1) ☐ hereto or 2) ☐ to Paper No./Mail Date</li> <li>(b) ☐ including changes required by the attached Examiner'</li> </ul>	son's Patent Drawing Review (PTO		
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U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04)  Notice of Allowability Part of Paper No./Mail Date 2005030		PRIMARY EXAMINER	Joy Thill	50305

Application/Control Number: 10/604,162

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### **DETAILED ACTION**

## **Drawings**

1. The drawings submitted have been reviewed and determined to facilitate understanding of the invention. The drawings are accepted as submitted.

# Information Disclosure Statement

2. The information disclosure statements (IDS) submitted on 01 August 2004 and 11 September 2003 are in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statements are being considered by the examiner.

## Allowable Subject Matter

- 3. The following is an examiner's statement of reasons for allowance. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 4. Claims 1-23 are allowed. Claims 1-23 describe an optical fiber hydrophone with a central axis having a conical, elongated element with a first end adapted for connection to the hydrophone assembly having a helical groove for receiving an optical fiber from the assembly so that the fiber transitions to the central axis of the module.
- 5. U.S. Patent No. 5,748,865 to Cherbettchian et al. describes an optical fiber hydrophone with a central axis having an elongated element with a first end adapted for connection to the hydrophone assembly having a helical groove for receiving an optical fiber from the assembly. Cherbettchian et al. does not describe the element as conical or as transitioning the fiber to the central axis of the module.

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6. U.S. Patent No. 5,748,865 to Cherbettchian et al. remains the closest prior art of record in this application. For the reasons stated above, however, Claims 1-23 herein are deemed to patentably distinguish over Cherbettchian et al. and all other prior art of record.

#### Conclusion

- 7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. Patent No. 6,111,820 to Ames describes an element for receiving an optical fiber in a hydrophone.
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerry T. Rahll whose telephone number is (571) 272-2356. The examiner can normally be reached on M-Th (8:30-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney Bovernick can be reached on (571) 272-2344. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jerry T Rahll

AKM ENAYET ULLAH PRIMARY EXAMINER